

**REMARKS**

This is in full and timely response the Office Action dated March 27, 2007.

Claims 20, 22-32, and 34 are currently pending in this application, with claims 20 and 23 being independent.

*No new matter has been added.*

Reexamination in light of the following remarks is respectfully requested.

**Entry of amendment**

This amendment *prima facie* places the case in condition for allowance. Alternatively, it places this case in better condition for appeal.

Accordingly, entry of this amendment is respectfully requested.

**Allowable subject matter**

Paragraph 11 of the Office Action indicates that claims 20 and 23-24 contain allowable subject matter.

Appreciation is expressed for this indication. As noted previously hereinabove, claims 20, 22-32, and 34 are currently pending in this application, with claims 20 and 23 being independent.

Claim 22 being dependent upon allowable claim 20 is also deemed to contain allowable subject matter. Likewise, claims 24-32 and 34 being dependent upon claim 23 are deemed to contain allowable subject matter.

Allowance of the claims is respectfully requested.

**Claim objections**

Paragraph 2 of the Office Action indicates an objection to claims 21-22, 25-34, and 38-39.

Paragraph 3 of the Office Action indicates an objection to claims 21-22, 33-34, and 38-39.

These objections are traversed at least for the following reasons.

**Claims 21, 33, and 38-39** - While not conceding the propriety of this objection and in order to advance the prosecution of the above-identified application, claims 21, 33, and 38-39 have been canceled.

**Claims 22 and 34** - While not conceding the propriety of this objection and in order to advance the prosecution of the above-identified application, claims 22 and 34 have been amended.

Additionally, U.S. patent practice and procedures dictate that one or more claims may be presented in dependent form, referring back to and further limiting another claim or claims in the same application. 37 C.F.R. §1.175(c).

**Claim 22** - Claim 22 is drawn to a radiation imaging apparatus comprising:

the radiation detector formed by the method according to claim 20;

a plurality of charge accumulation capacitors for accumulating charges from said detection layer; and

a switching matrix substrate including switching devices arranged in array, wherein the switching devices read out charges of said plurality of charge accumulation capacitors.

In this regard, claim 22 *refers back* to claim 20 and includes the *additional features* of (1) a plurality of charge accumulation capacitors for accumulating charges from said detection

layer; and (2) a switching matrix substrate including switching devices arranged in array, wherein the switching devices read out charges of said plurality of charge accumulation capacitors. Accordingly, claim 22 is in proper dependent form.

Claim 34 - Claim 34 is drawn to a radiation imaging apparatus comprising:

the radiation detector formed by the method according to claim 23;

a plurality of charge accumulation capacitors for accumulating charges from said detection layer; and

a switching matrix substrate including switching devices arranged in array, wherein the switching devices read out charges of said plurality of charge accumulation capacitors.

In this regard, claim 34 *refers back* to claim 23 and includes the *additional features* of (1) a plurality of charge accumulation capacitors for accumulating charges from said detection layer; and (2) a switching matrix substrate including switching devices arranged in array, wherein the switching devices read out charges of said plurality of charge accumulation capacitors. Accordingly, claim 34 is in proper dependent form.

Claims 25-32 - While not conceding the propriety of this objection and in order to advance the prosecution of the above-identified application, claims 25-32 have been amended.

### Claim rejections

Paragraph 5 of the Office Action indicates a rejection of claims 21, 33, and 38 under 35 U.S.C. §102 as allegedly being anticipated by U.S. Patent No. 4,243,885 to Agouridis et al. (Agouridis).

Paragraph 6 of the Office Action indicates a rejection of claims 35-37 under 35 U.S.C. §102 as allegedly being anticipated by U.S. Patent No. 6,251,701 to McCandless.

Paragraph 9 of the Office Action indicates a rejection of claims 22, 34, and 39 under 35 U.S.C. §103 as allegedly being unpatentable over Agouridis in view of U.S. Patent No. 5,396,072 to Schiebel et al. (Schiebel).

Paragraph 10 of the Office Action indicates a rejection of claims 25-32 under 35 U.S.C. §103 as allegedly being unpatentable over Agouridis in view of Japanese Application Publication No. 2001-051862 to Tokuda et al. (Tokuda).

These rejections are traversed at least for the following reasons.

**Claims 21, 33, and 35-39** - While not conceding the propriety of this objection and in order to advance the prosecution of the above-identified application, claims 21, 33, and 35-39 have been canceled.

**Claim 22** - Claim 22 is dependent upon claim 20. While paragraph 11 of the Office Action indicates that independent claim 20 contains allowable subject matter, the Office Action indicates a rejection of dependent claims 21-22.

In this regard, the Office Action lacks clarity. Clarification is respectfully requested.

**Claim 25-34** - Claims 25-34 are dependent upon claim 23. While paragraph 11 of the Office Action indicates that independent claim 23 contains allowable subject matter, the Office Action indicates a rejection of dependent claims 25-34.

In this regard, the Office Action lacks clarity. Clarification is respectfully requested.

Withdrawal of these rejections and allowance of the claims is respectfully requested.

### **Conclusion**

For the foregoing reasons, all the claims now pending in the present application are allowable, and the present application is in condition for allowance. Accordingly, favorable

reexamination and reconsideration of the application in light of the remarks is courteously solicited.

**Extensions of time**

Please treat any concurrent or future reply, requiring a petition for an extension of time under 37 C.F.R. §1.136, as incorporating a petition for extension of time for the appropriate length of time.

**Fees**

If any fee is required or any overpayment made, the Commissioner is hereby authorized to charge the fee or credit the overpayment to Deposit Account # 18-0013.

If the Examiner has any comments or suggestions that could place this application in even better form, the Examiner is requested to telephone Brian K. Dutton, Reg. No. 47,255, at 202-955-8753.

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Respectfully submitted,

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